

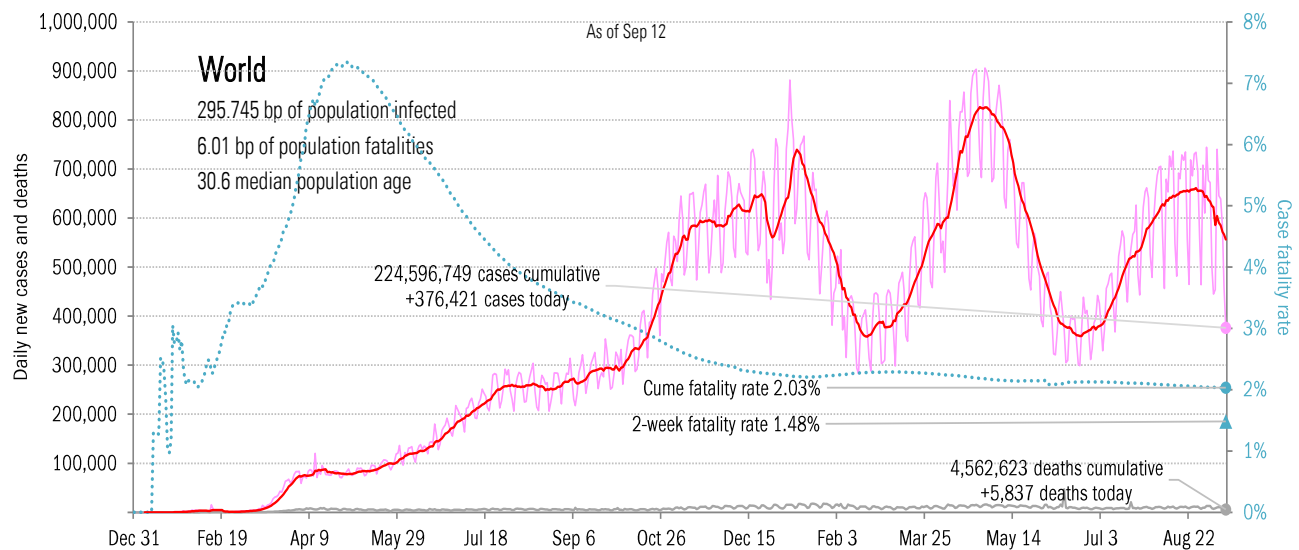
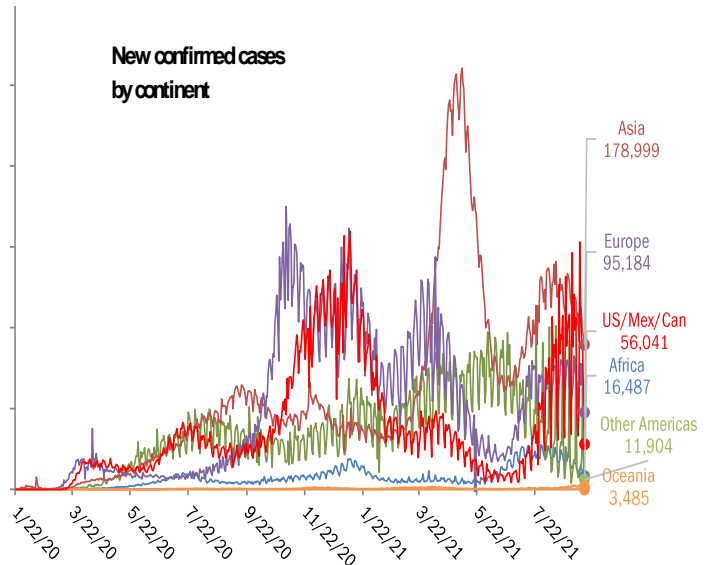
## Data Insights: Covid-2019 Monitor

Monday, September 13, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+48,128	Russia	+773
United Kingdom	+28,641	United States	+629
India	+27,254	Iran	+487
Turkey	+21,352	Brazil	+293
Philippines	+21,346	Malaysia	+292
Iran	+20,219	Vietnam	+261
Malaysia	+19,198	Turkey	+243
Russia	+18,235	Mexico	+224
Thailand	+14,029	India	+219
Vietnam	+12,026	Indonesia	+188
<b>+230,428</b>		<b>+3,609</b>	
World	+376,421	World	+5,837
Top ten	61%	Top ten	62%



Source: [Johns Hopkins](#), TrendMacro calculations

### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

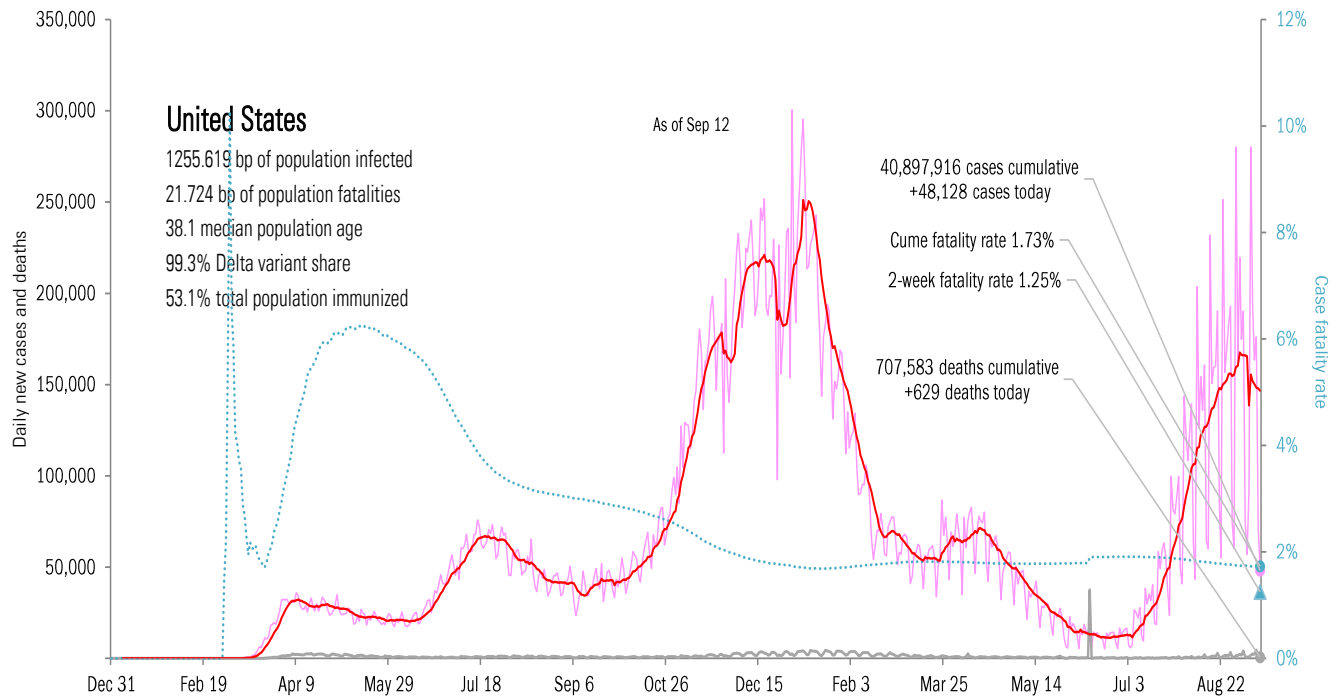
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+14,321		FL	+350		GA	+169		CA	4,472,759		CA	67,100		TX	338,825		GA	87%	AL	100%
CH	+4,463		TX	+141		KY	+134		TX	3,823,937		TX	60,202		FL	293,948		RI	86%	GA	98%
CA	+4,165		CA	+42		NE	+115		FL	3,395,415		NY	54,656		CA	288,215		MD	85%	AR	93%
NY	+4,105		AR	+35		TX	+97		NY	2,335,720		FL	47,613		NY	150,542		MA	85%	MS	93%
PA	+3,666		NY	+20		CH	+96		IL	1,564,386		PA	28,564		GA	144,239		SC	84%	TX	91%
AZ	+2,765		MD	+17		NC	+45		GA	1,484,274		NJ	27,058		CH	102,807		MI	83%	FL	90%
TX	+2,419		HI	+7		IN	+36		PA	1,346,619		IL	26,694		PA	101,165		MO	83%	KY	89%
WV	+2,244		AZ	+4		MI	+34		CH	1,298,625		GA	23,741		KY	100,698		CT	82%	ID	88%
NJ	+1,847		NJ	+4		PA	+33		NC	1,279,500		MI	21,821		IL	95,860		PA	82%	NC	88%
AL	+1,794		AL	+3		ID	+32		TN	1,124,713		CH	21,154		MI	79,893		FL	82%	DE	88%
+41,789			+623			+791			22,125,948			378,603			1,696,192						
All states	+48,128			+629			+629		All states	40,897,916			707,583			3,002,979		All states	70%		67%
Top ten	87%			99%			126%		Top ten	54%			57%			56%		Median	77%		80%

Some states not reporting

## Five most improved US states

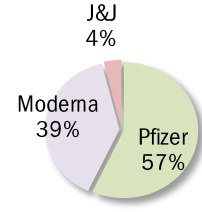
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-6,388	TX	-178	TN	-152	AL	+20 bp
CH	-3,942	AL	-65	IL	-75	AR	+20 bp
AL	-2,700	CA	-41	WA	-66	FL	+20 bp
NY	-2,178	AZ	-32	VA	-57	LA	+20 bp
CA	-1,553	PA	-29	SC	-37	NC	+20 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	390,941,130		+0.810 million		US	53.1%	62.3%	
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>	UK	64.5%	71.0%
Total population	214,515,968	64%	183,213,845	55%	+0.375 million	France	62.5%	73.0%
Age 12 to 17	13,093,819	55%	10,295,372	43%	+0.060 million	Spain	75.0%	79.4%
Age 18 to 64	147,977,787	73%	125,398,808	62%	+0.276 million	Germany	61.6%	65.9%
Age 65 and over	52,402,153	96%	46,669,657	85%	+0.037 million	Italy	63.9%	72.5%
						Australia	33.6%	54.3%
						Israel	63.1%	68.8%
						Canada	68.4%	74.5%
						Japan	51.2%	63.3%
						Africa	3.4%	5.7%
						India	12.7%	40.4%
						Brazil	34.0%	66.4%
						China	67.2%	75.8%



State
At least partial immunity as % population
Full immunity as % population



Every American >18 immune in **120 days** by Jan 10, 2022  
 66.6% of population >18 immunized  
 13.9% previously tested positive  
**80.6%** vs 60% adult herd immunity

AK
55.8%
48.3%

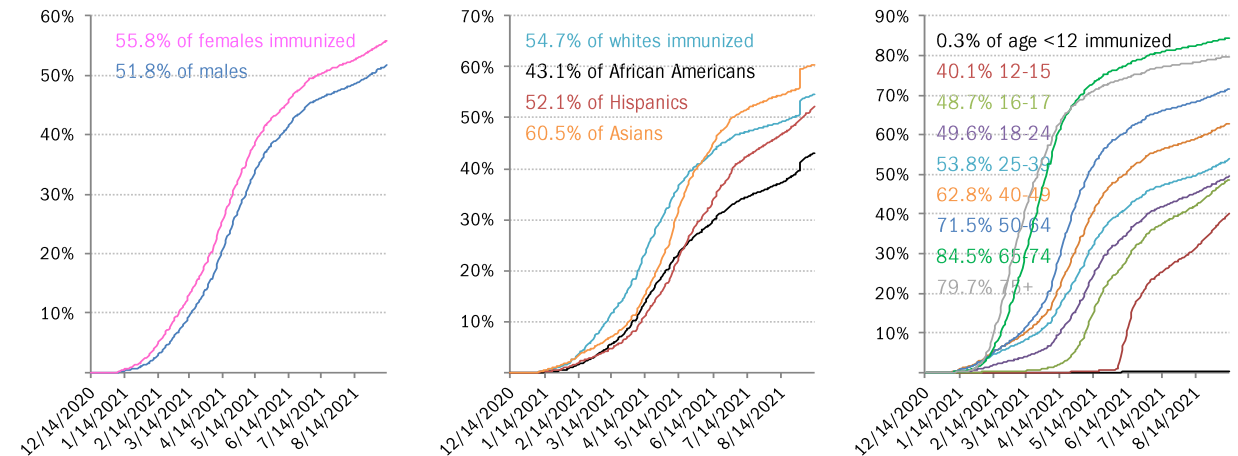
WI
59.8%
55.0%

ME
72.6%
66.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.4%	45.4%	53.3%	49.6%	62.6%	67.1%	55.9%	69.1%	76.8%	68.2%	
61.3%	40.1%	47.1%	42.7%	57.0%	52.2%	51.2%	61.7%	68.6%	60.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
65.3%	59.2%	46.7%	57.5%	57.0%	51.0%	53.3%	70.6%	71.2%	76.2%	
59.2%	49.1%	39.9%	50.2%	52.6%	47.1%	49.2%	56.2%	62.7%	66.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
70.1%	57.5%	64.4%	58.2%	53.7%	58.8%	47.5%	66.6%	69.3%	74.7%	73.2%
57.1%	48.8%	58.0%	53.1%	46.3%	50.0%	39.9%	58.5%	62.6%	67.1%	66.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	58.0%	71.1%	58.5%	54.5%	51.0%	57.5%	53.3%	68.8%	64.9%	
	49.7%	61.2%	49.5%	43.7%	43.2%	47.9%	44.9%	58.5%	56.2%	
			OK	LA	MS	AL	GA			
			54.9%	50.6%	48.5%	51.3%	52.8%			
			45.5%	43.3%	40.8%	40.2%	42.8%			
			TX					FL		PR
			58.4%					65.4%		77.3%
			49.0%					55.0%		66.8%

HI
75.5%
56.4%

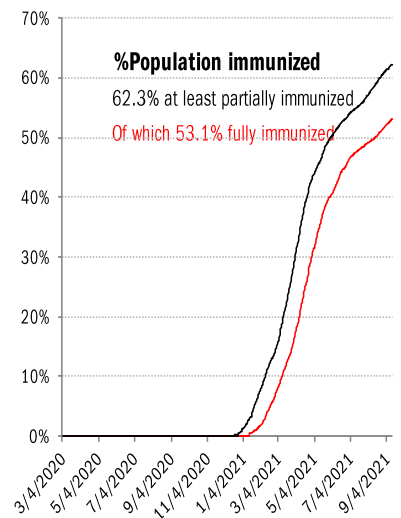
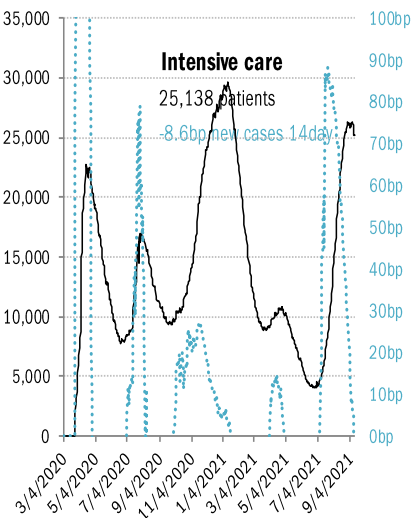
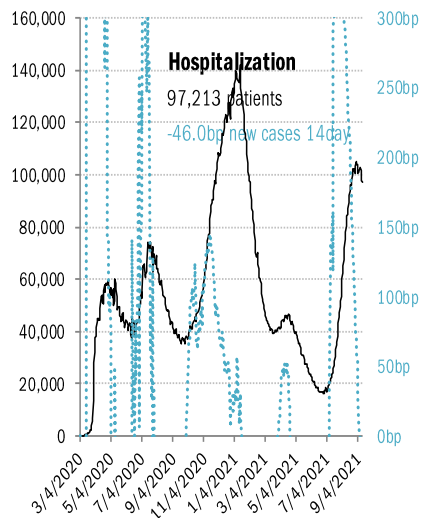
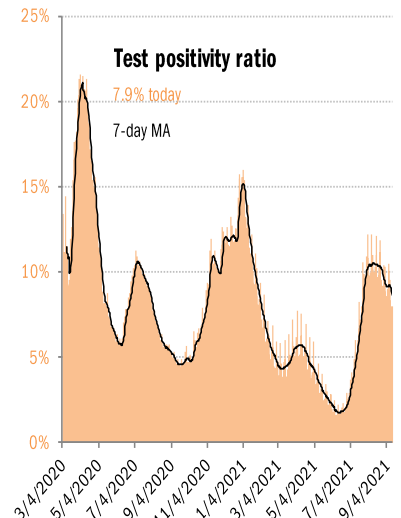
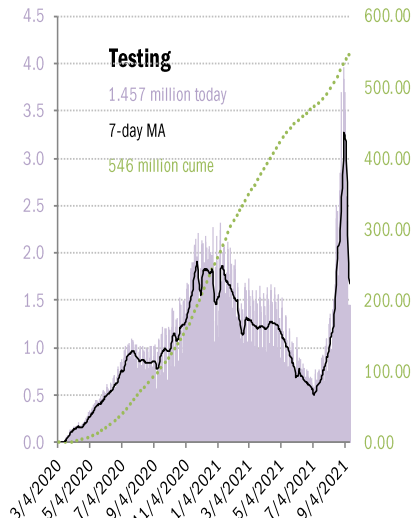
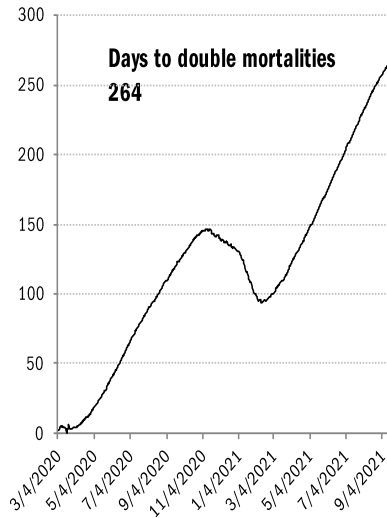
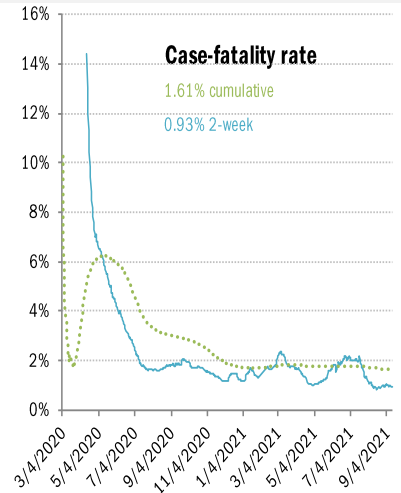
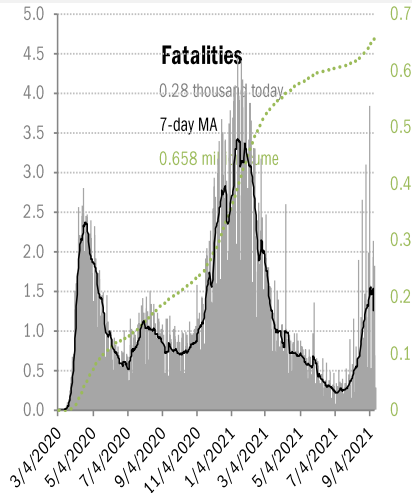
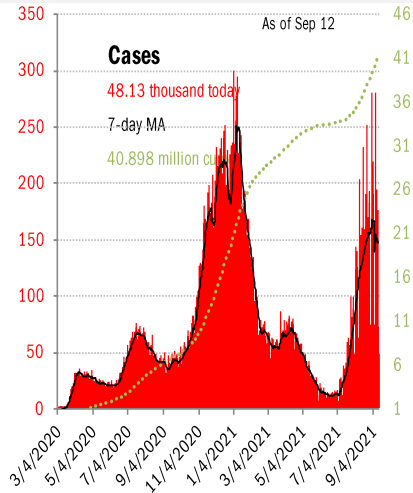
## The demographics of US vaccination



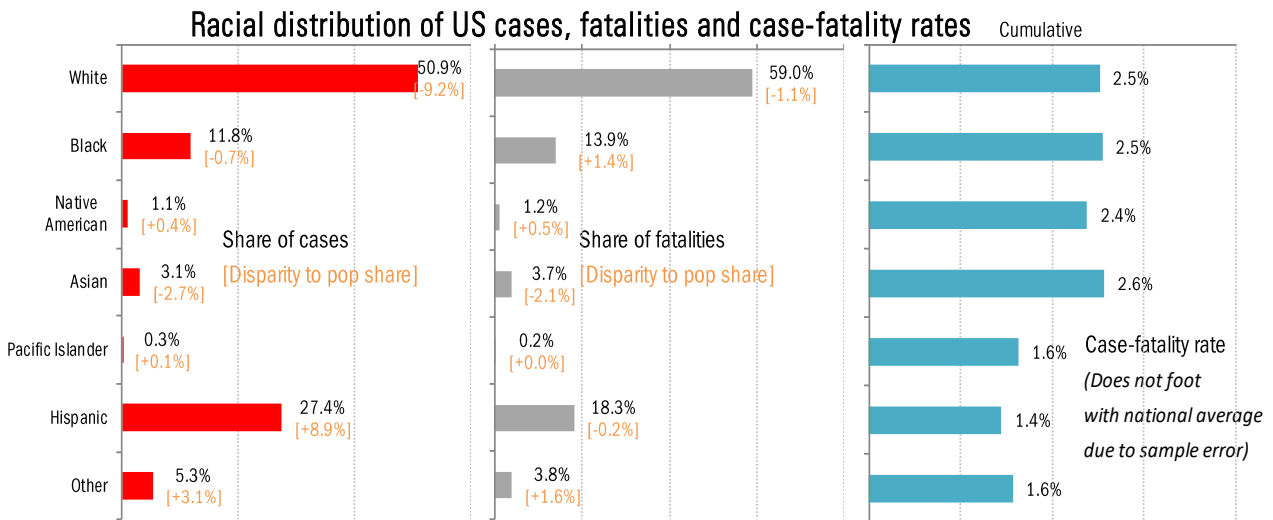
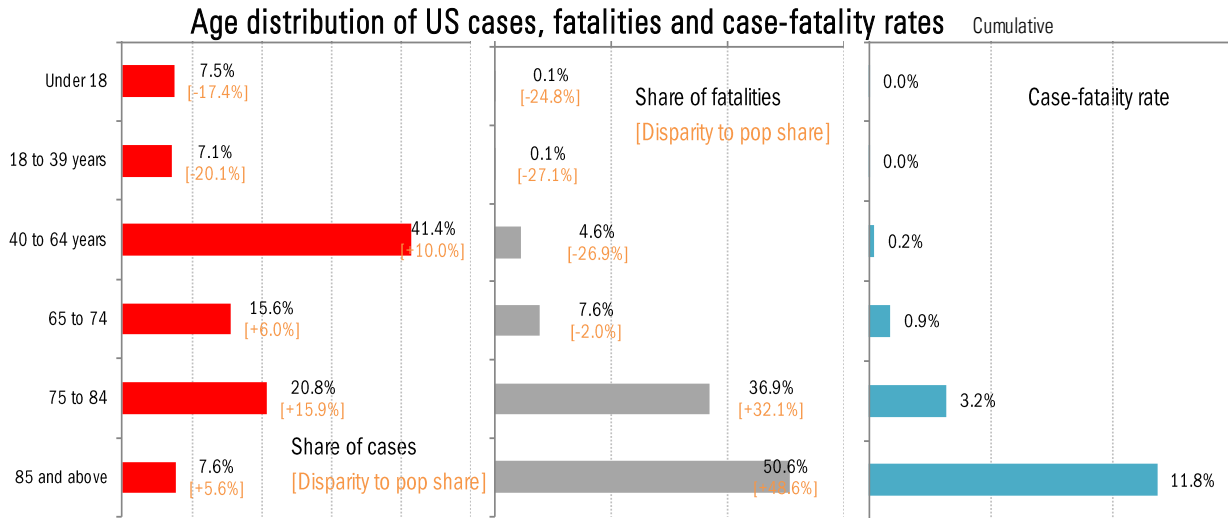
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

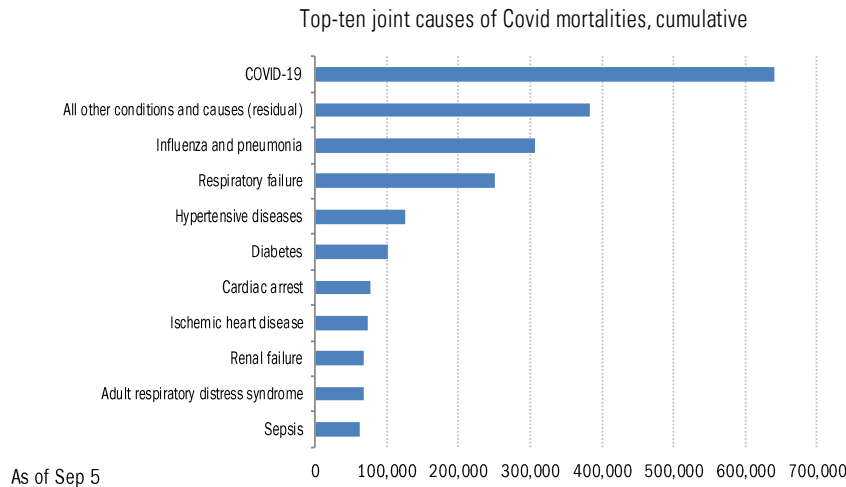
National and state-by-state data do not line up because of different sources



Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities



For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

## Recommended reading

[With Biden Vaccine Plan, Politics Is Fully in Charge](#)

Holman Jenkins  
*Wall Street Journal*  
September 10, 2021

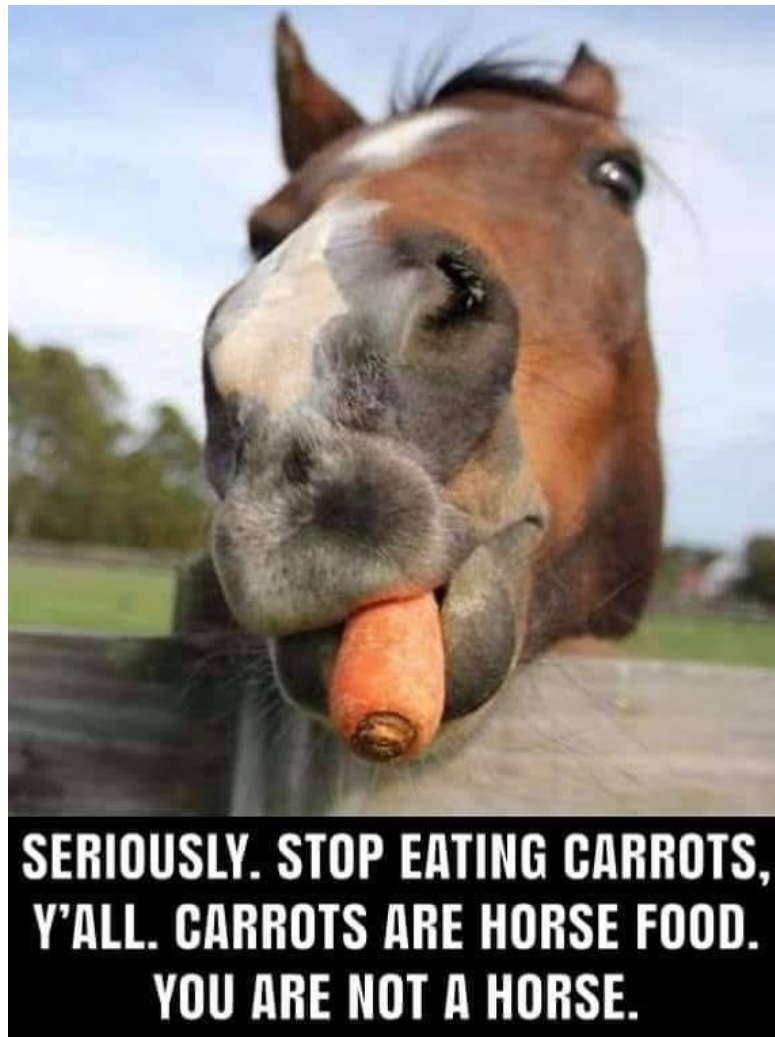
[Urgent: the British are dropping vaccine passports](#)

Alex Berenson  
*Unreported Truths*  
September 11, 2021

[U.K. Abandons Vaccine Passports Plans, Health Minister Says](#)

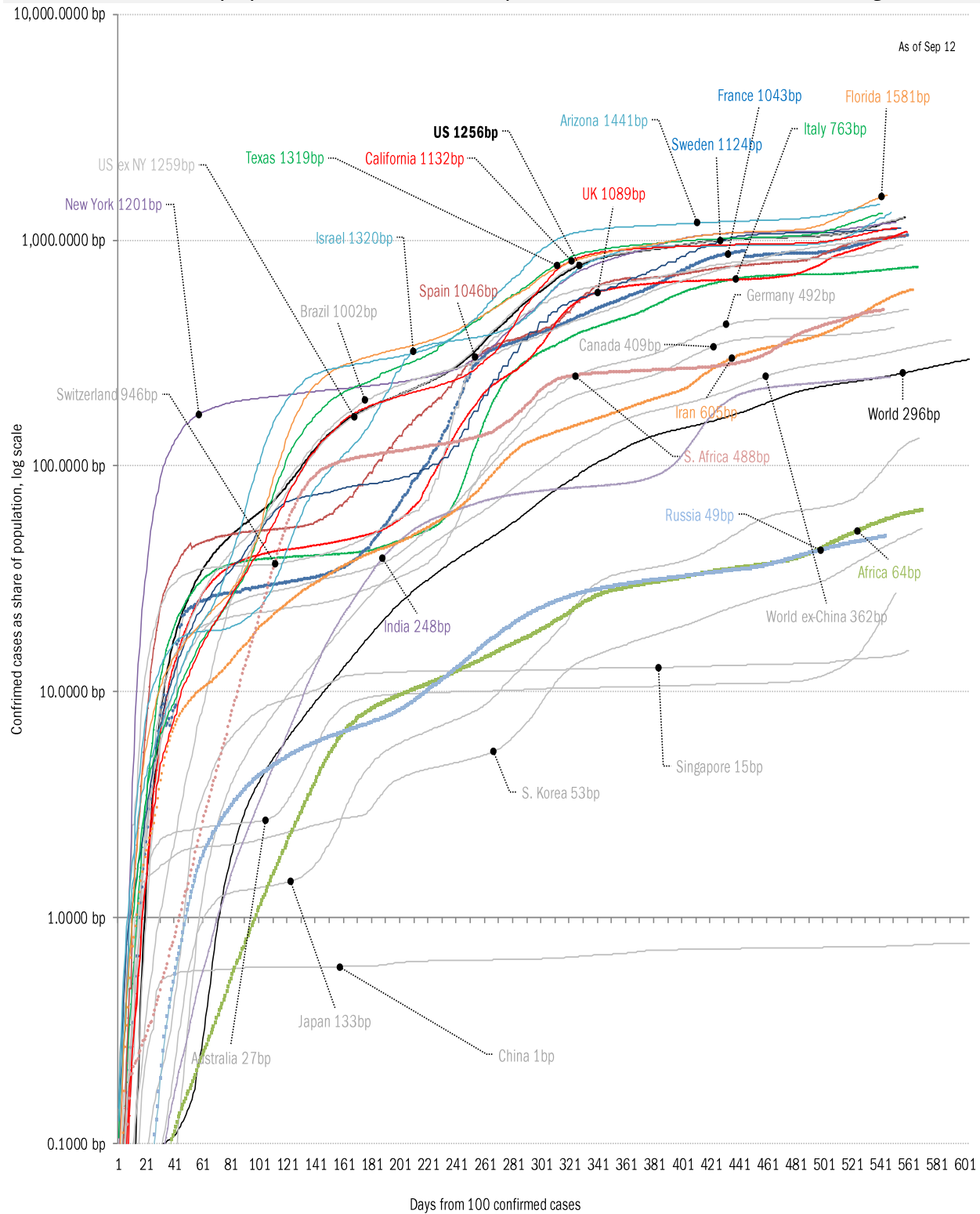
Lisa Pham  
*Bloomberg*  
September 12, 2021

## Meme of the day



Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

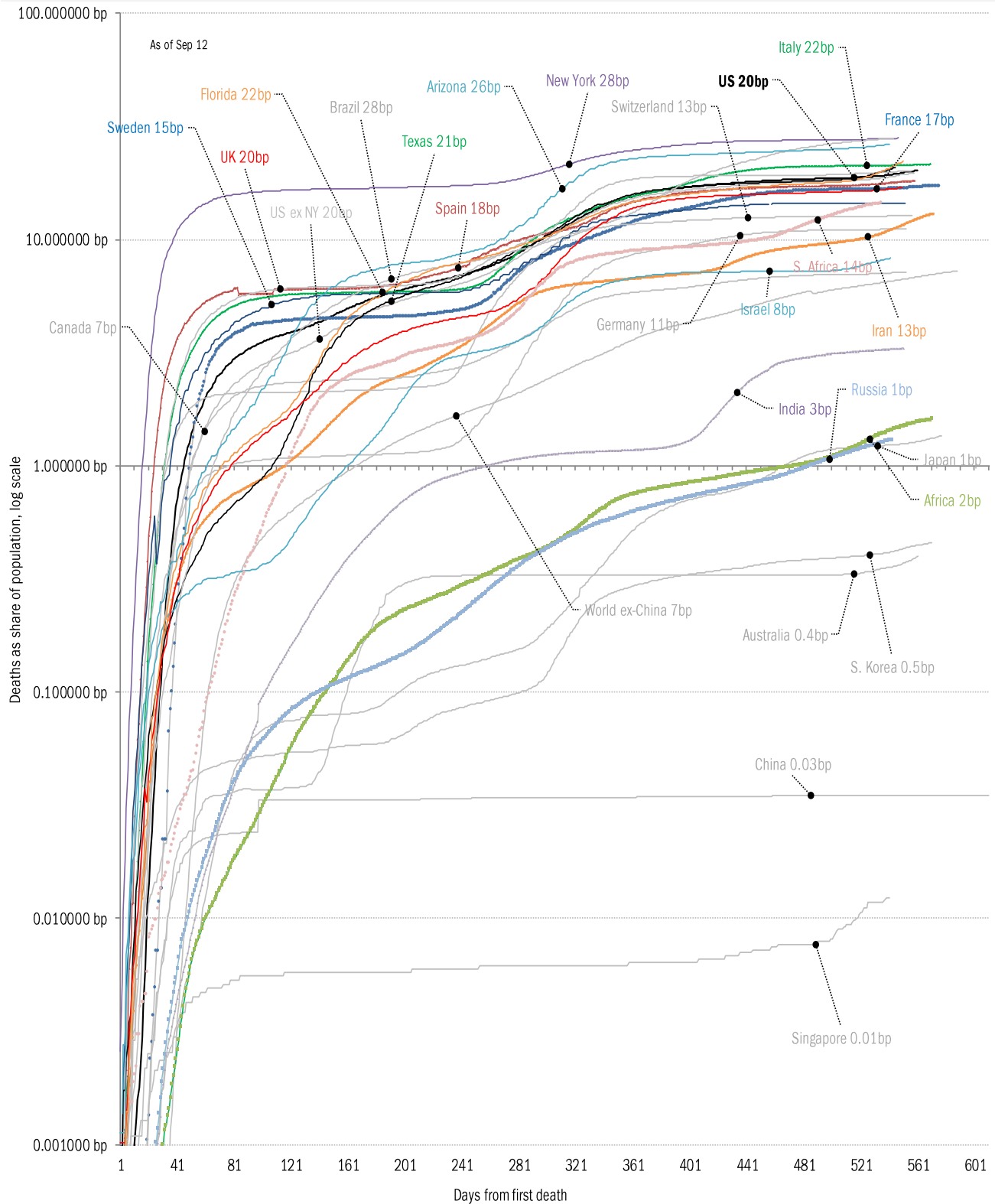
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [Johns Hopkins](#), TrendMacro calculations



The coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*



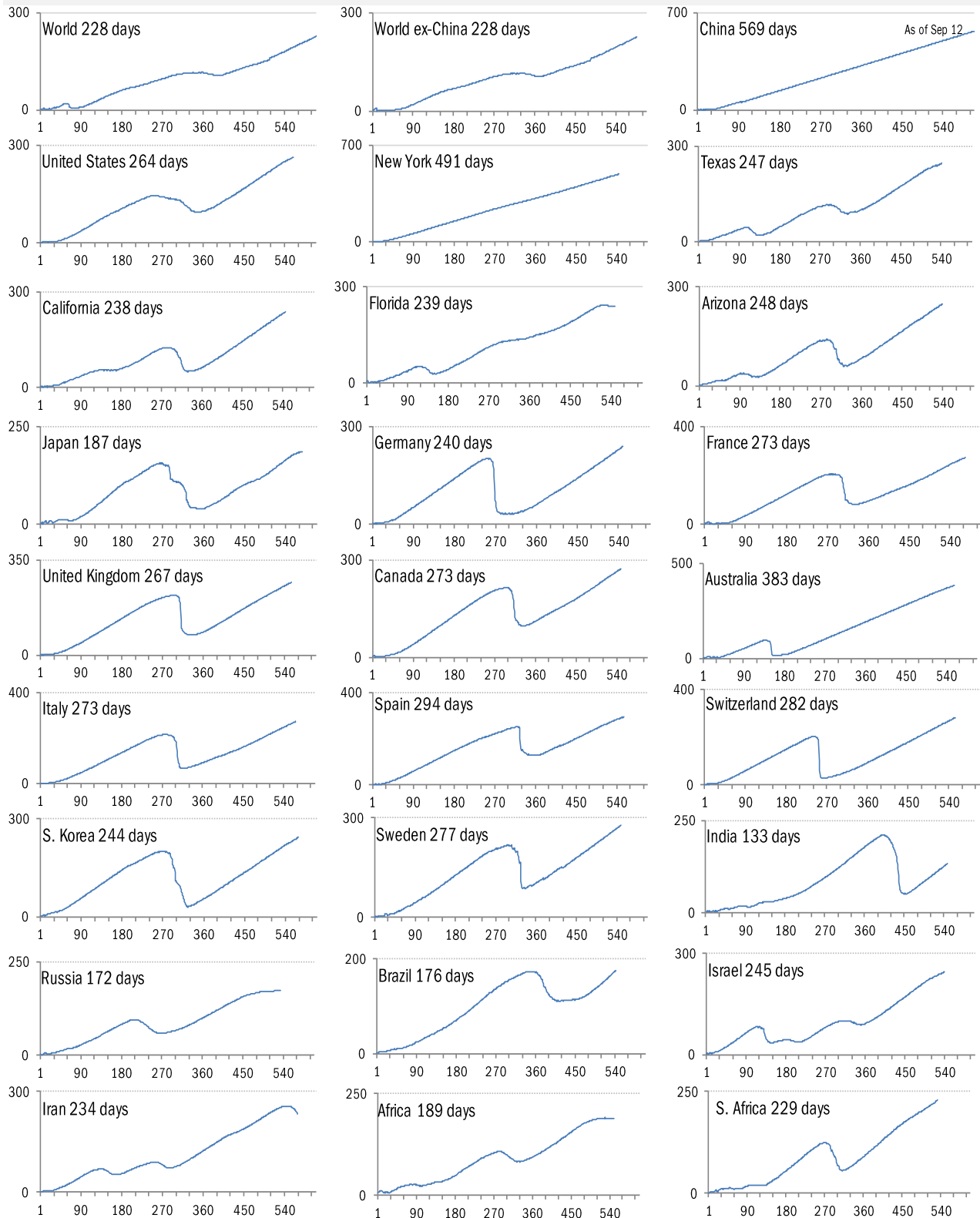
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day “downward trajectory” in new cases

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

14-day moving average, last 14 days Most recent value displayed ● High ● Low

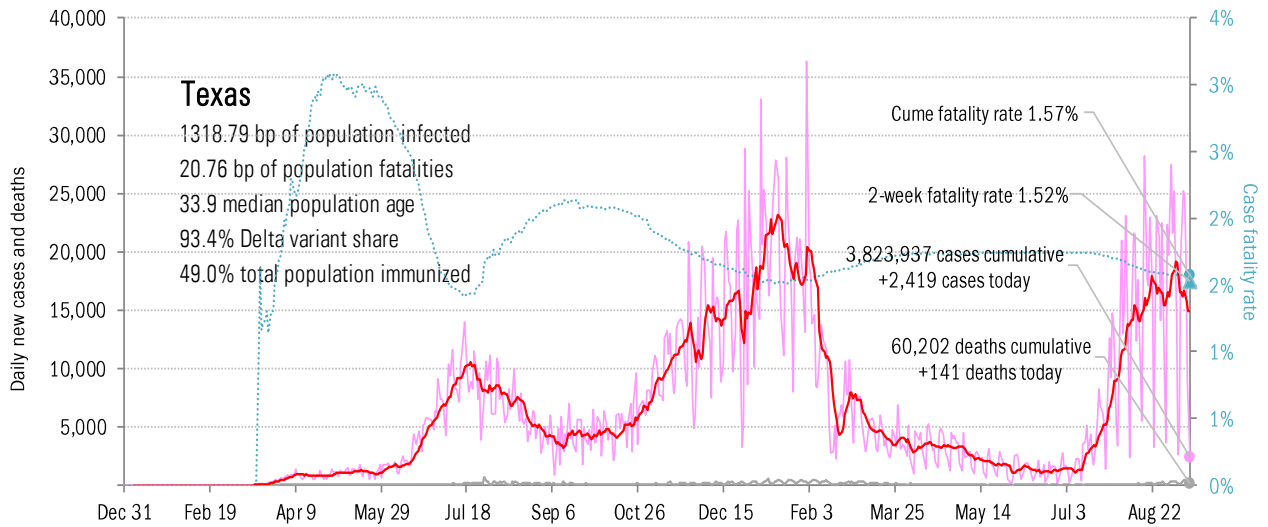
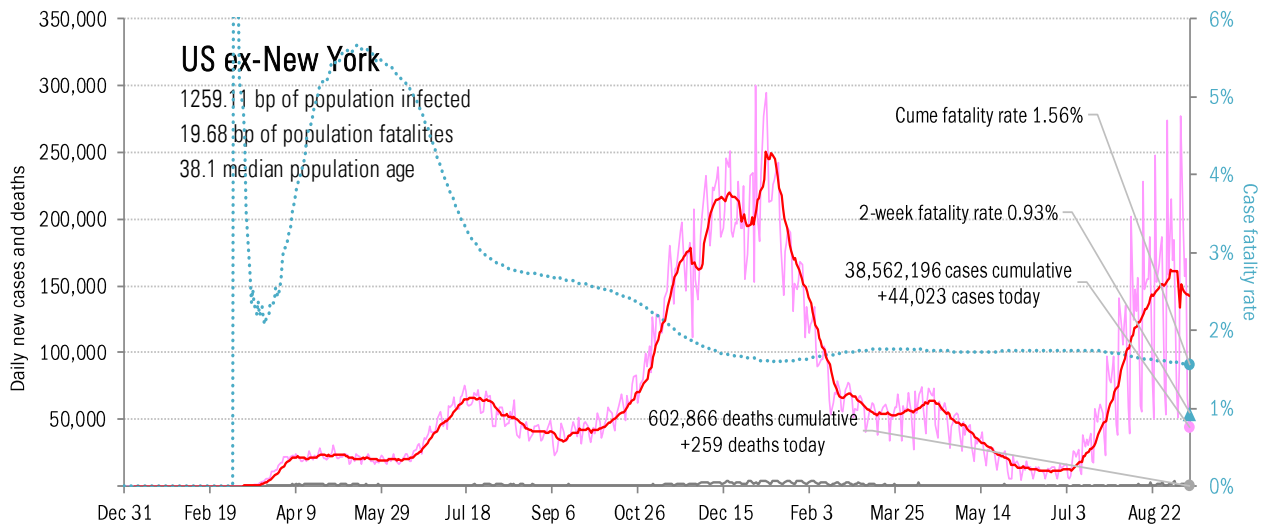
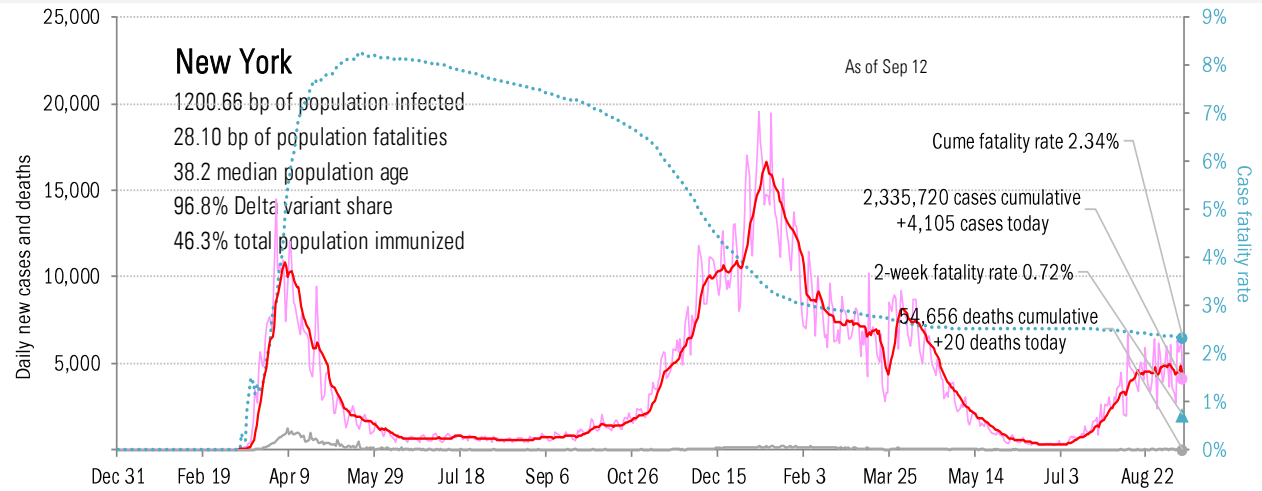
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande

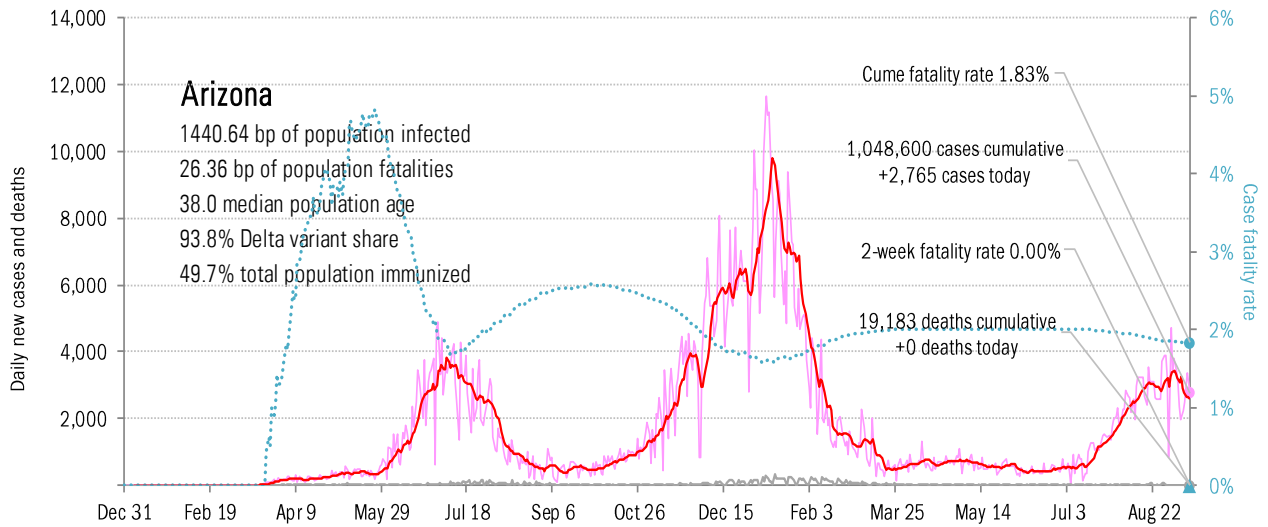
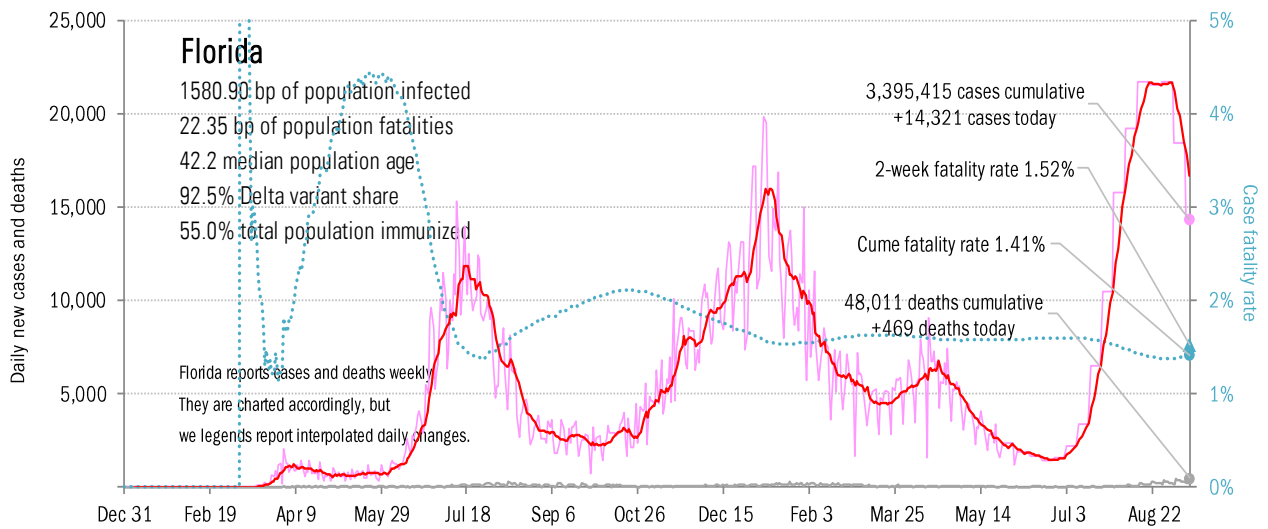
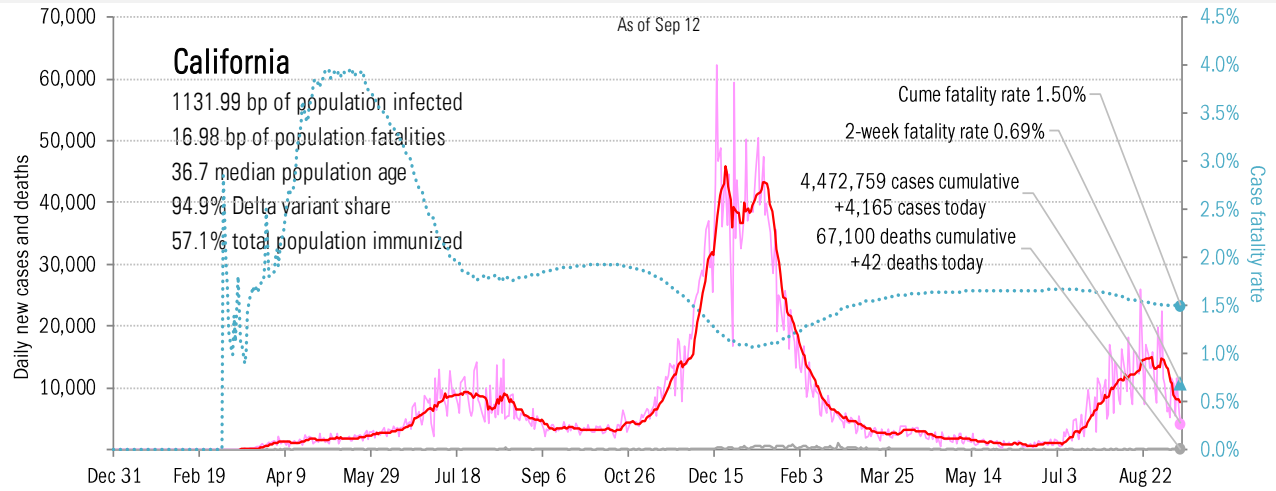
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# The sun-belt hot-spot states (other than Texas)

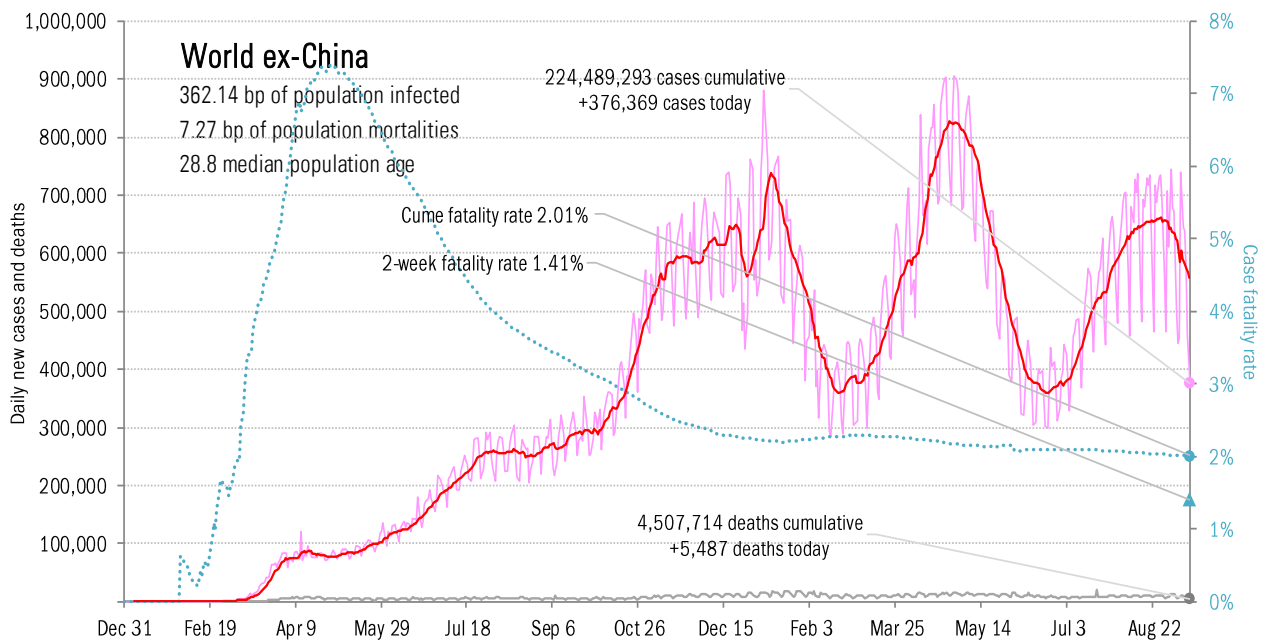
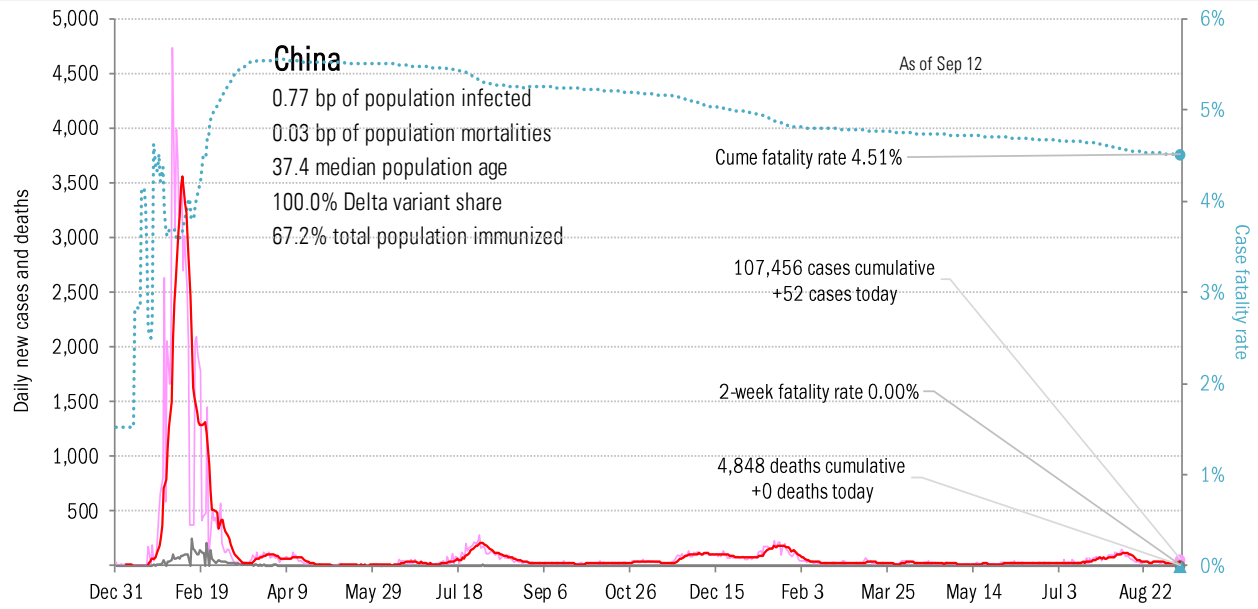
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else

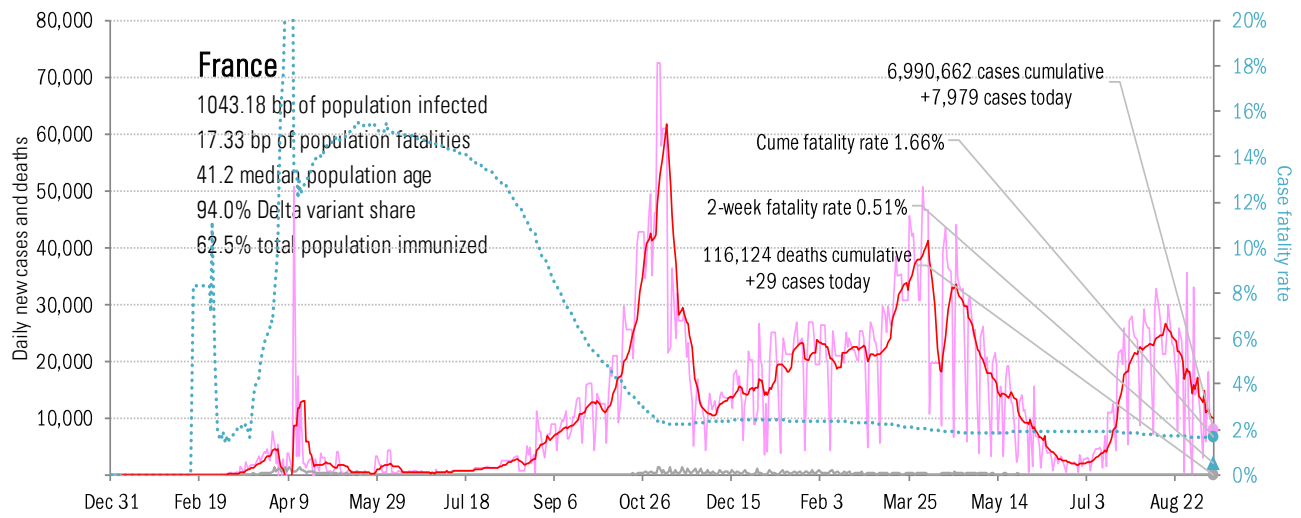
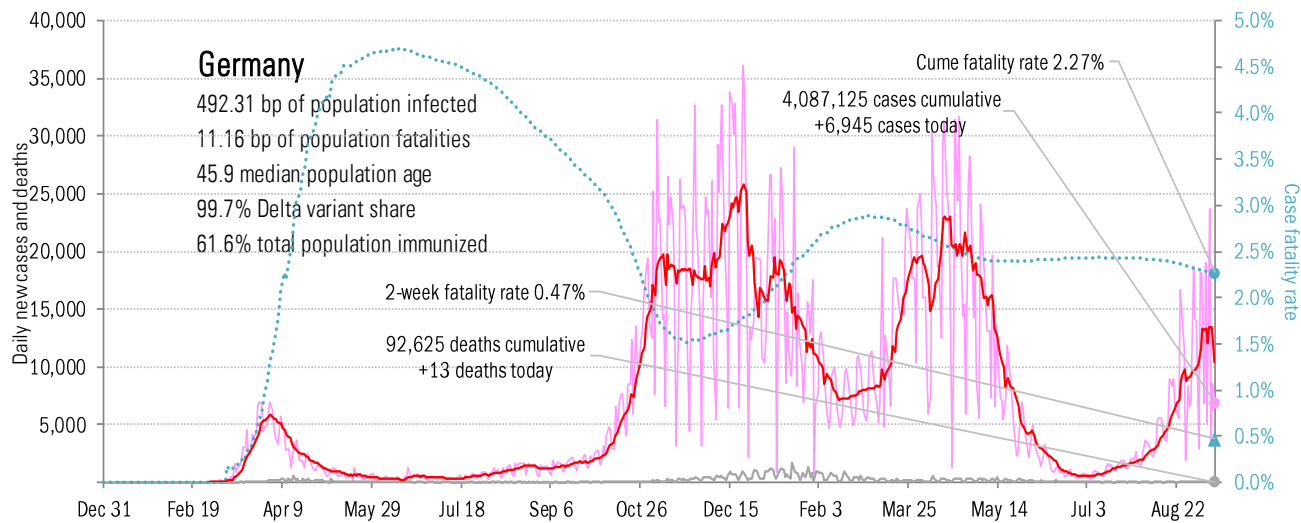
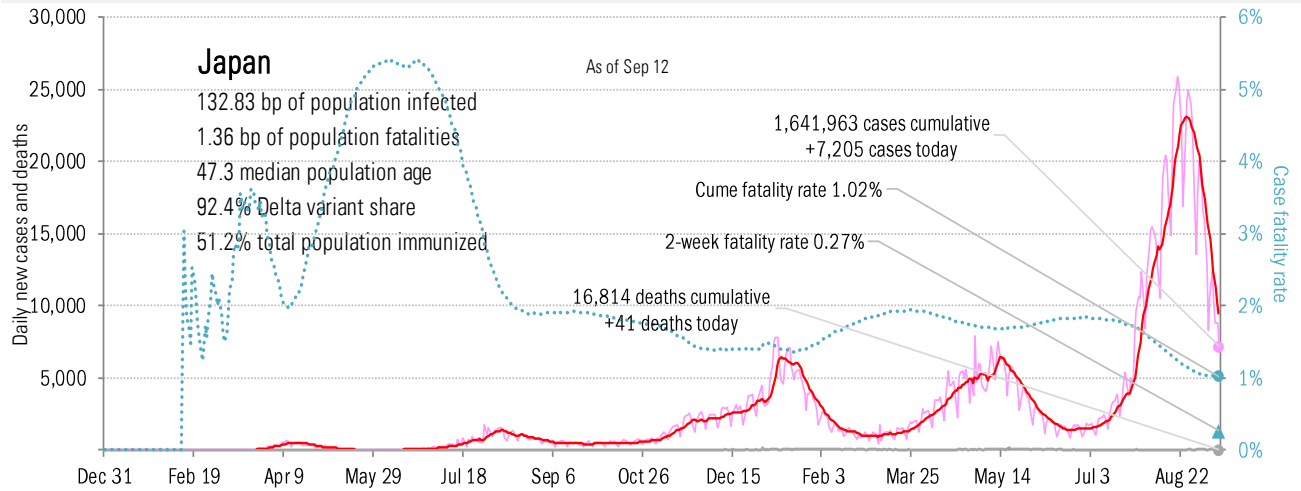
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

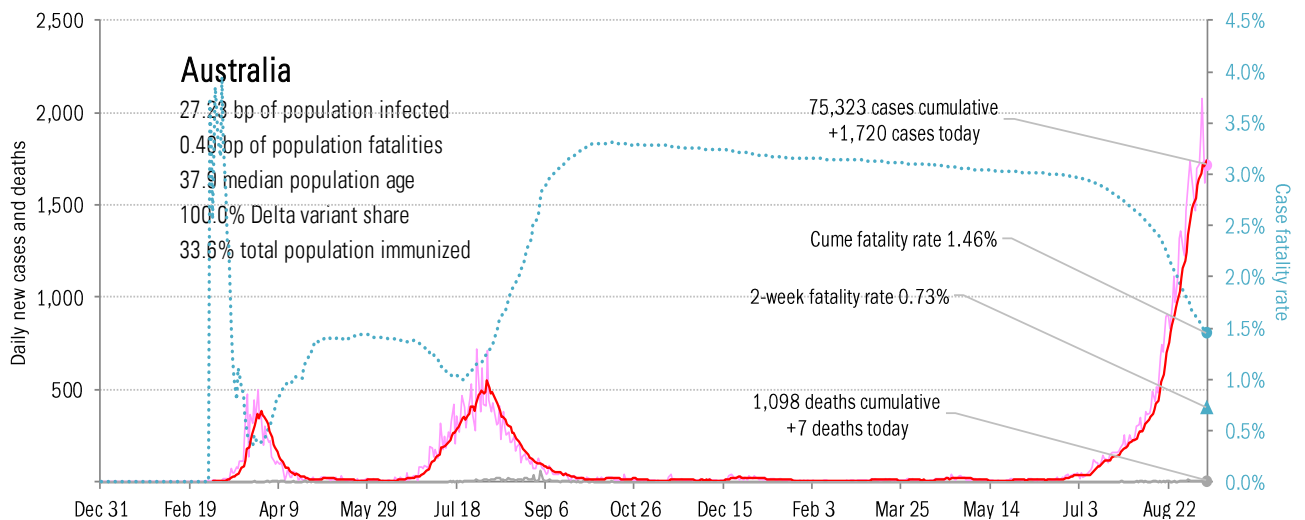
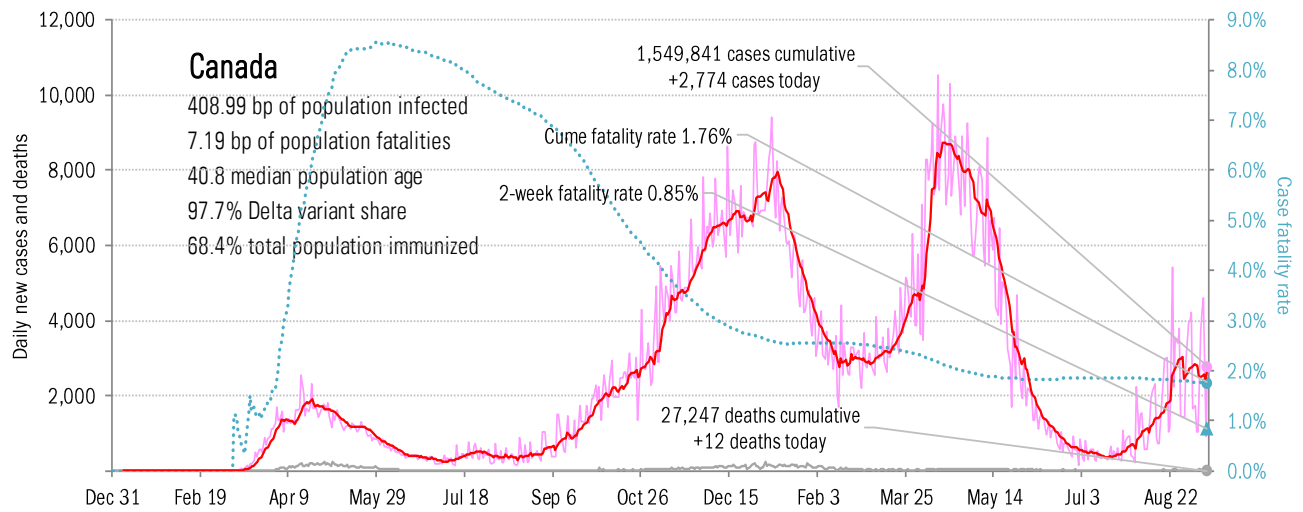
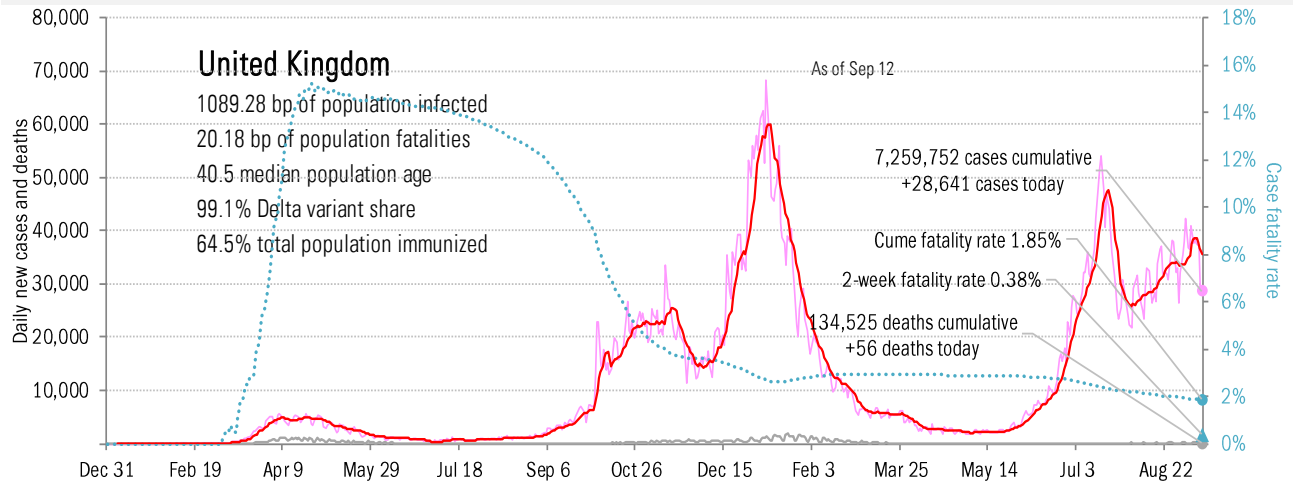


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

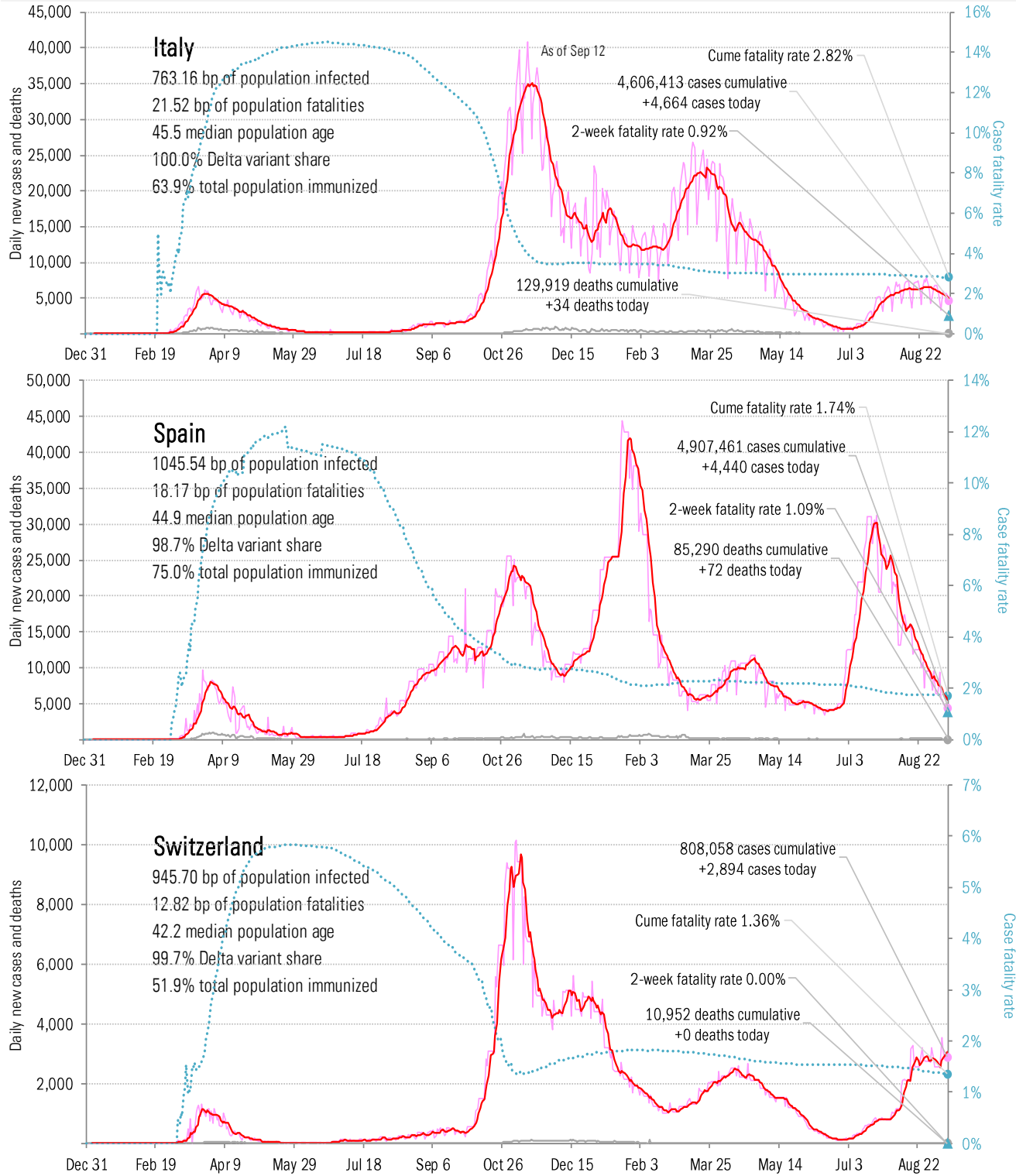
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe

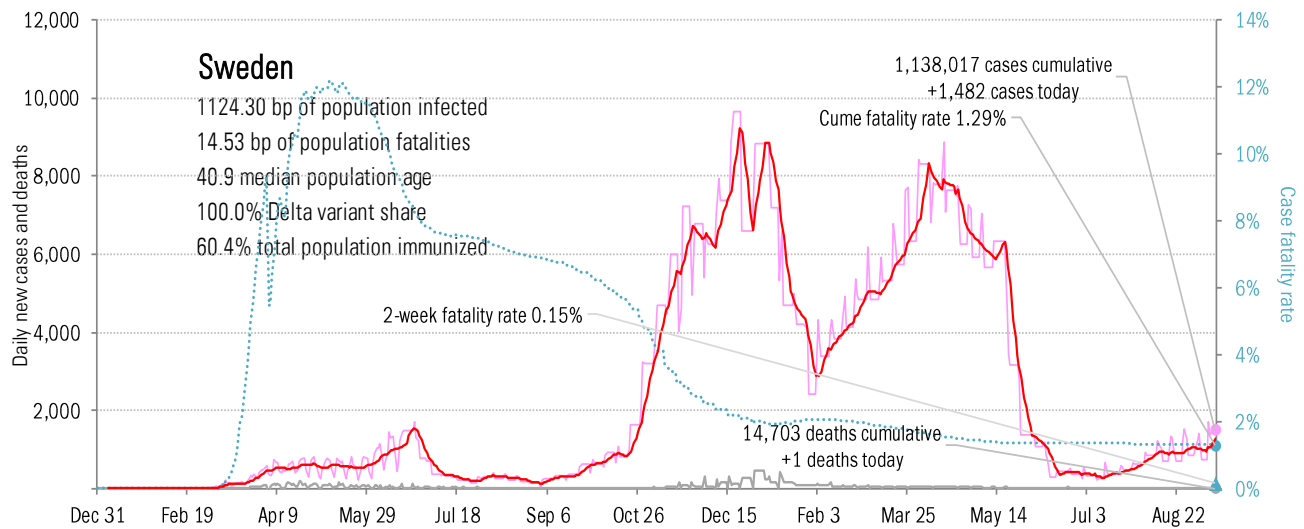
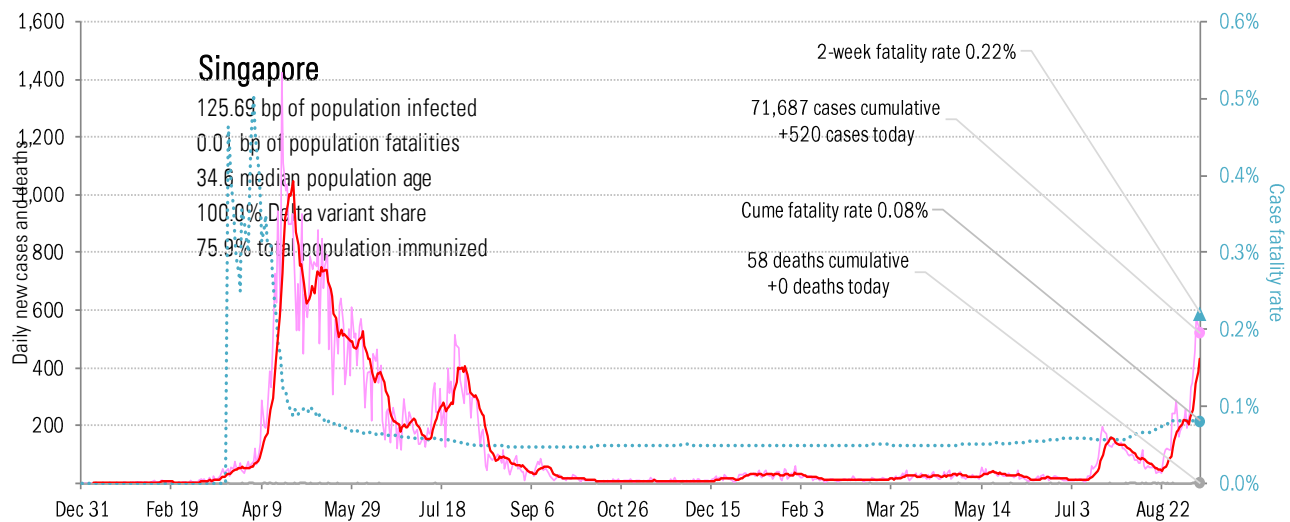
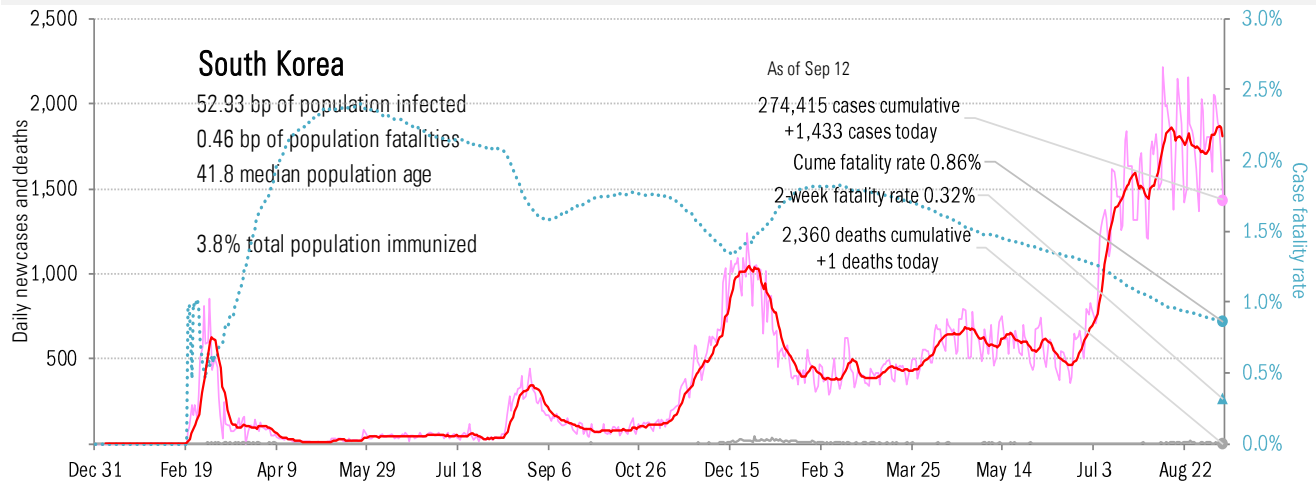
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots

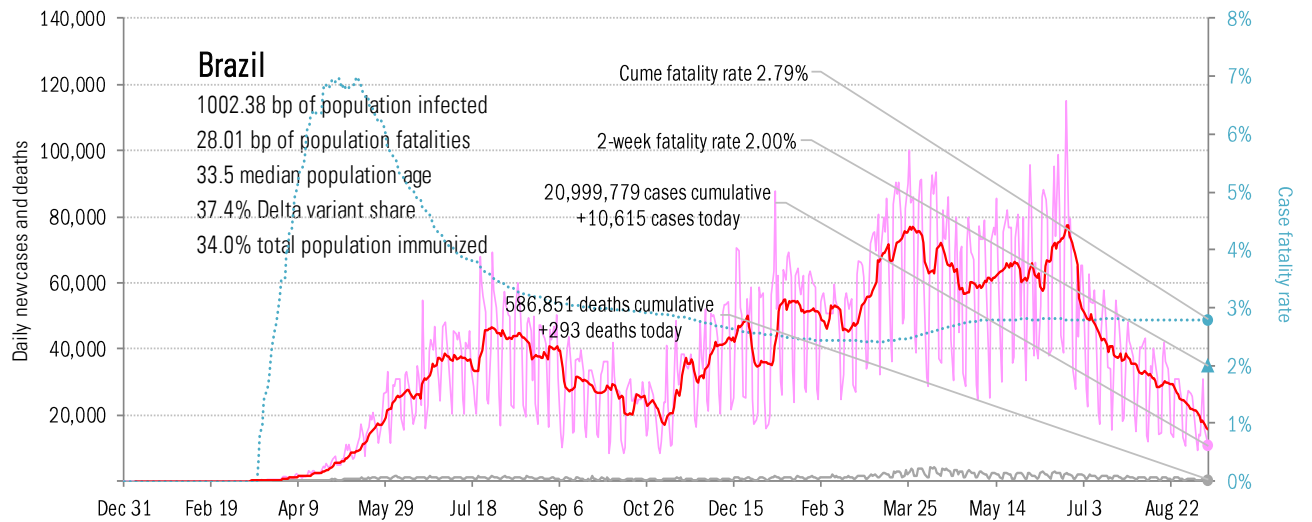
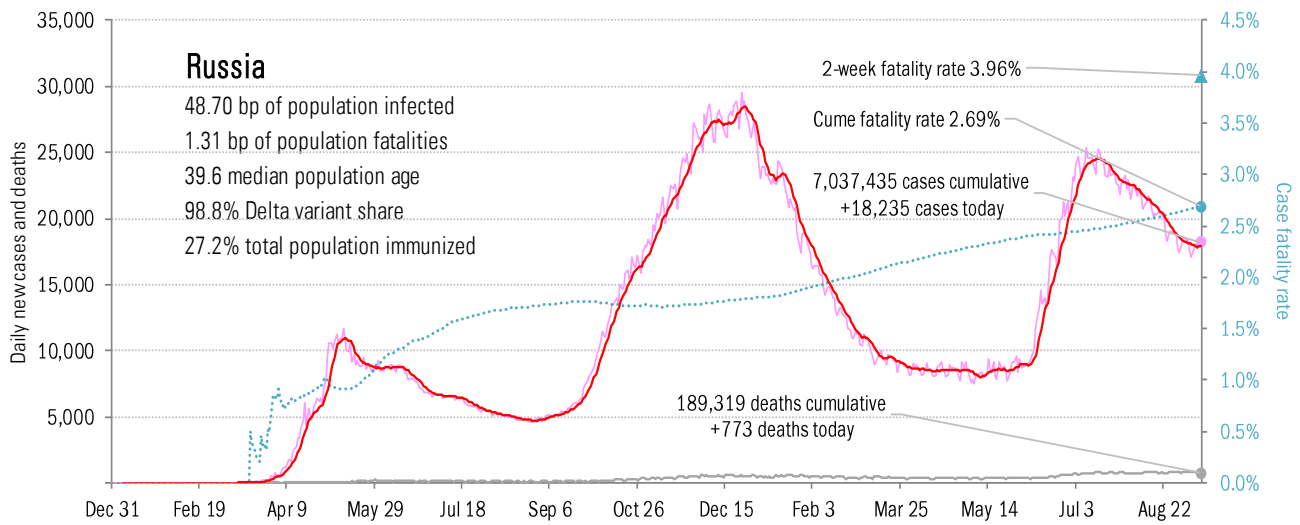
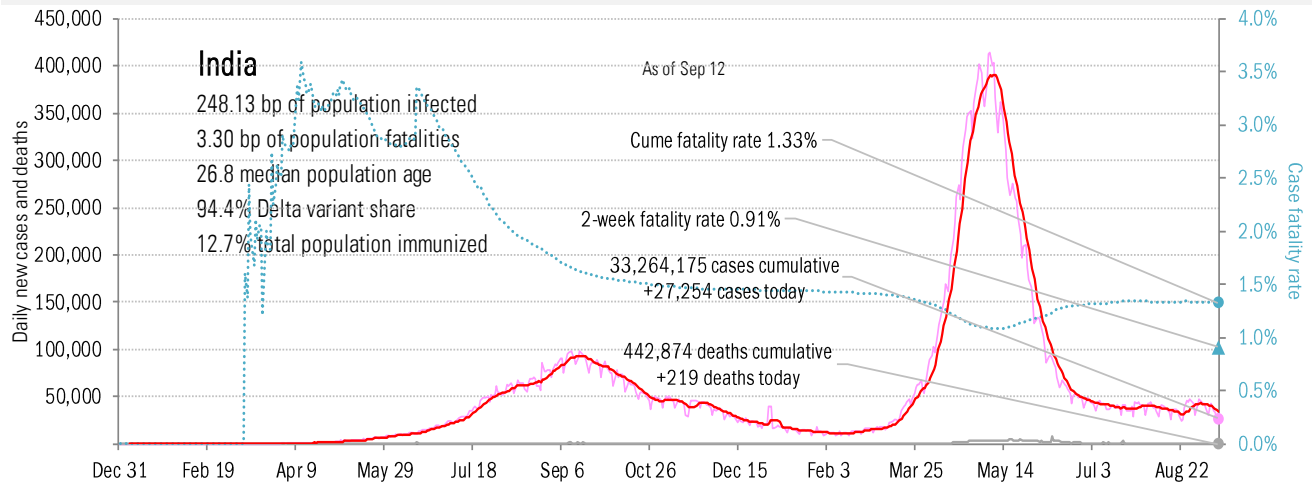
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China

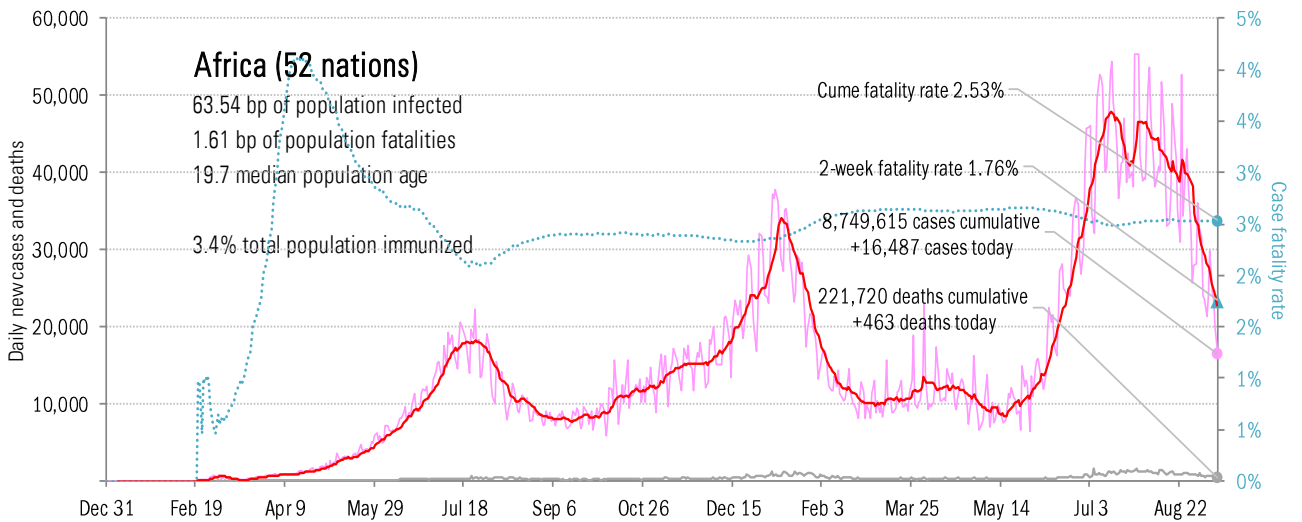
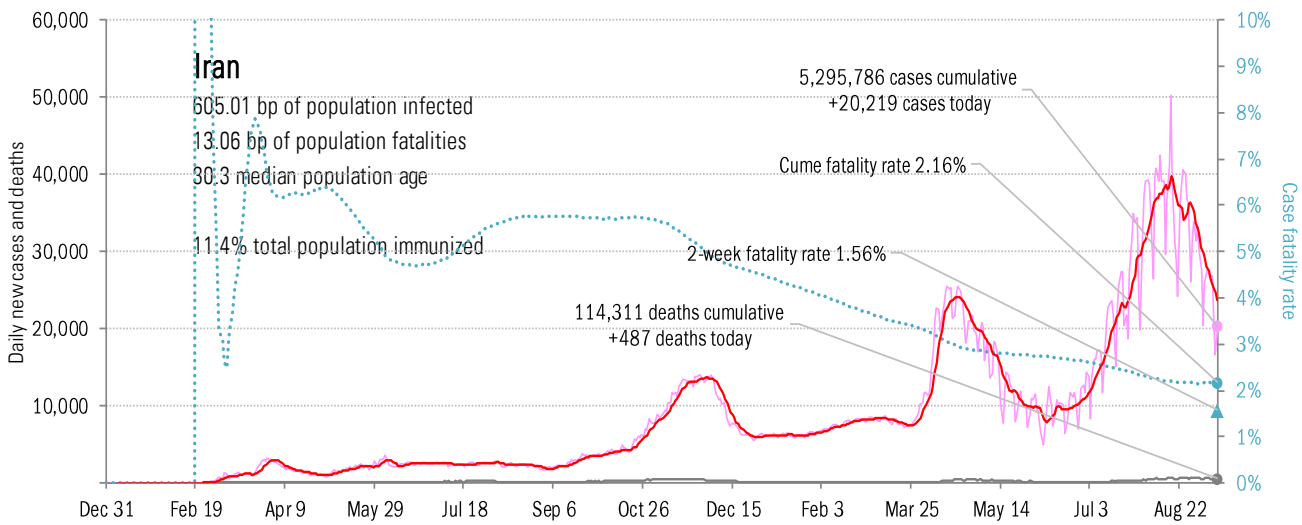
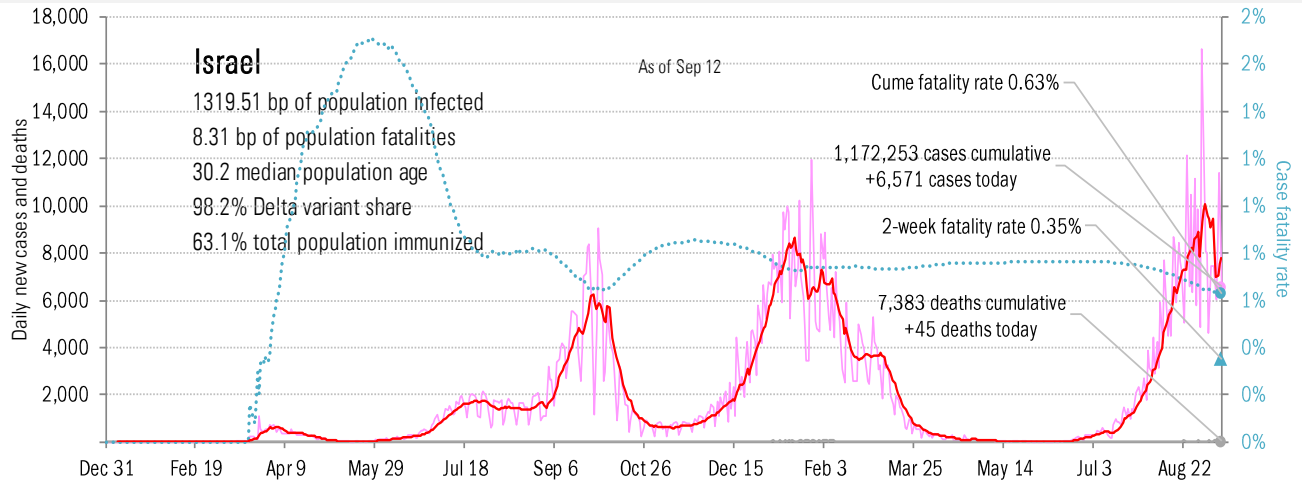
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa

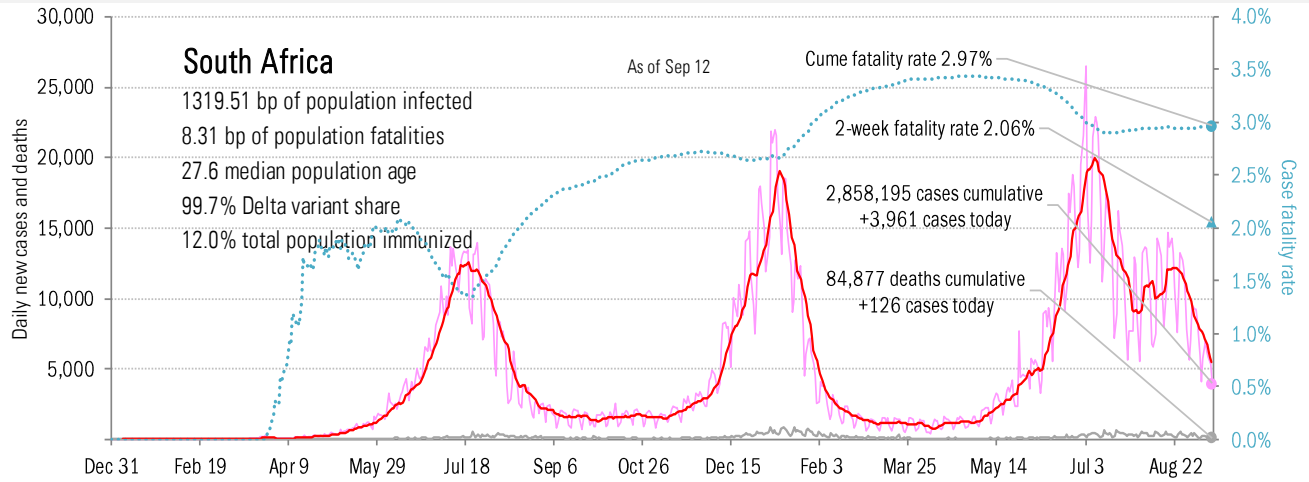
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations